JIANGHAO GENERATOR

➢Engine: Perkins 1104D-E44TAG1

➢Alternator:Stamford/Leroy Somer /Hengsheng

➢Controller:DeepSea/SmartGen /DEIF/ComAp

Genset

Model	JHPE-64GF
Voltage	277/480V
Frequency&Speed	60HZ;1800RPM
Prime Power	73kW/91kVA
Standby Power	80kW/100kVA

The Perkins® 1104D-E44TAG ElectropaKs are the latest addition to the 1100 Series Electric Power line-up. Offering improved power density from a compact package, these ElectropaKs build on Perkins reputation within the power generation industry.

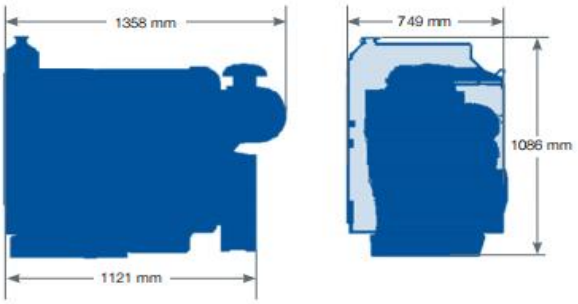
These ultra clean engines are assembled on a new high technology production line. Frequent computerised checks during the production process ensure high build quality is maintained throughout.

Hitting the key power nodes required by the market, the 1104D ElectropaK product line-up consists of three models offering a power solution for both Prime and Standby applications, in 60 Hz territories.

Emissions

Certified against the requirements of U.S. EPA Tier 3 legislation for non-road mobile machinery, powered by constant speed engines (EPA 40 CFR Part 89 Tier 3).

Specification		
Number of cylinders	4 in-line	
Bore and stroke	105 x 127 mm	4.1 x 5.0 in
Displacement	4.41 litres	269 in³
Aspiration	Turbocharged air-to-air chargecooled	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	16.2:1	
Rotation	Anti-clockwise, viewed on flywheel	
Total lubricating capacity	8 litres	2.1 US gal
Cooling system	Water-cooled	
Total coolant capacity	17 litres	4.5 US gal



Engine package weights and dimensions		
Length	1358 mm	53.4 in
Width	749 mm	29.5 in
Height	1086 mm	42.7 in
Weight (dry)	465 kg	1025 lb

JIANGHAO GENERATOR

Speed rpm	Type of operation	Typical generator output (Net)		Engine power			
				Gross		Net	
		kVA	kWe	kWm	hp	kWm	hp
1800	Prime power	92.0	73.8	88.0	118.0	82.0	110
	Standby (maximum)	102	81.7	96.8	129.8	90.8	122

The above ratings represent the engine performance capabilities to conditions specified in ISO 8528/5. Derating may be required for conditions outside the test conditions; consult Perkins Engines Company Limited.

Generator powers are typical and are based on typical alternator efficiencies and a power factor. Fuel specification: Consult Perkins Engines Company Limited (various fuel specifications are available). Lubricating oil: multi-grade oil conforming to API-CH4/CI4 must be used.

Rating definitions
Prime power: Power available at variable load in lieu of a main power network. Overload of 10% is permitted for 1 hour in every 12 hours' operation.
Standby (maximum): Power available at variable load in the event of a main power network failure. No overload is permitted.

Percent of prime power	Fuel consumption at 1800 rpm g/kWh	Fuel consumption at 1800 rpm l/hr
110%	220.8	25.5
100%	224.2	23.7
75%	237.7	18.7
50%	257.8	13.5

Technical information

Air inlet
- Mounted air filter and turbocharger

Cooling system
- 22 inch belt-driven pusher fan and guards
- Radiator (incorporating air-to-air charge cooler)
- Water pump

Electric system
- 12 volt starter motor
- 12 volt, 65 amp alternator with DC output

Flywheel and housing
- High inertia flywheel to SAE J620 Size 10/11
- SAE3 flywheel housing

Fuel system
- Electronic governing (conforms to Class G3 ISO 8528-5)
- Fuel filter

Literature
- Users Handbook

Lubrication system
- Wet cast iron sump with filler and dipstick
- Oil filter

Start aids
- Glow plugs

Alternator

Pole No.	4-Pole
Exciter Type	Single bearing, Brushless, Self-excited
Power factor	0.8
Voltage adjust range	≦5%
Insulation Grade	H
Protection Grade	IP23/22

- ✧ NEMAMG1.JIANGHAO,and ANSl standards compliance for temperature rise and motor starting.
- ✧ Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds
- .✧ Sustained short-circuit current enabling downstreamcircuit breakers to trip without collapsing thegenerator field.
- ✧ Self-ventilated and dripproof construction.
- ✧ Superior voltage waveform from two-thirds pitch windings and skewed stator.
- ✧ Digital solid-state.volts-per-hertz voltage regulator with +1% no-load to full-load regulation.

JIANGHAO GENERATOR

Control Panel




The control module gives digital readouts of:

Generator voltage;

Output frequency;

Engine speed;

Battery voltage;

Engine hours run.

The **control panel** is an Digital Control Module suitable for a wide variety of single, diesel or gas, gen-set applications.

Monitoring an extensive number of engine parameters, the module will display warnings, shutdown and engine status information on the back-lit LCD screen and illuminated LEDs.

The control module has indicators for failure information:

Over speed/Low speed,

Emergency stop

Low oil pressure;

High water temperature

Failure to start

Battery charger failure

Automatic shutdown occurs under:

Low engine oil pressure;

High engine water temperature;

Over speed/Low speed;

Failure to start after three attempts.

Dimension:1830*780*1300mm

Weight:1000kg

Dimension:3000*1100*1700mm

Weight:1800kg

Fuel Tank Capacity:280L

Electrical system

- Maintenance-free and anti-explosion battery
- Standard breaker
- ABB breaker (optional)
- ATS (optional)
- Battery charger (optional)
- GMS monitoring (optional)

Packing

- Wrapping film packaging
- Tray packaging
- plywood box packaging

Jiangsu Jianghao Generator Co.,Ltd

Address: No.1 Xixu Road, Medical High-tech Zone, Taizhou city, Jiangsu, China

Contact Person: Anthony Feng

Email: jhfsale@jhgenerator.com

WhatsAPP: +86 18652649673